

Latitude 49 deg. 27' 54'' N. Longitude 112 deg. 35' 44'' W. Elevation 991 m. 5.6 km east of Raymond, Hwy. 52 E. Brown, sandy to loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, no to low salinity, moderate to well drained, tillage affected by stoniness. Located along margin of wheat field. Few scattered plants in roadside ditch along edge of asphalt. Uniform population, effective population size - 75 plants. Short plants but typical *H. annuus* characteristics. Just past peak flowering, good seed set. Small population so more than one head per plant sampled.

PI 592309. *Helianthus annuus* L.

Wild. ANN-2299; Ames 22172. Collected 09/09/1994 in Alberta, Canada. Latitude 49 deg. 57' 7'' N. Longitude 110 deg. 14' 51'' W. Elevation 800 m. 6.4 km east of Irvine, Hwy. 1 E. Brown, loam soil, level area of disturbed roadside ditch, topography - plain (level), moderate soil nutrient content, no salinity, well drained, tillage affected by stoniness. Grassland vegetation. Scattered population in disturbed roadside ditch, near drainage ditch. Uniform population, effective population size - several hundred plants. Plants short, only one to few heads per plant, typical of Canadian *H. annuus* so far. Past peak flowering, good seed set. No insect or disease damage.

PI 592310. *Helianthus annuus* L.

Wild. ANN-2302; Ames 22173. Collected 09/09/1994 in Saskatchewan, Canada. Latitude 50 deg. 36' 47'' N. Longitude 108 deg. 27' 6'' W. Elevation 708 m. 0.2 km south of Cabri, Hwy. 37 S. Brown, loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, low salinity, moderate drainage, tillage affected by stoniness. Located along margin of cropland. Population scattered along edge of harvested wheat field and road, in roadside ditch. Uniform population, effective population size - 75 plants. Past peak flowering, good seed set. No apparent insect damage, rust present.

PI 592311. *Helianthus annuus* L.

Wild. ANN-2303; Ames 22174. Collected 09/09/1994 in Saskatchewan, Canada. Latitude 50 deg. 23' 37'' N. Longitude 108 deg. 28' 49'' W. Elevation 768 m. 32.0 km north of Gull Lake, Hwy. 37 N. Brown, sandy-loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, low salinity, moderate drainage, tillage affected by stoniness. Cropland and grassland vegetation. Large, scattered population along both sides of road in roadside ditch along asphalt. Uniform population, effective population size - several hundred plants. Typical *H. annuus*. Past peak flowering, good seed set. Some grasshopper damage to heads, no apparent disease damage.

PI 592312. *Helianthus annuus* L.

Wild. Ames 22175; ANN-2304. Collected 09/09/1994 in Saskatchewan, Canada. Latitude 49 deg. 57' 42'' N. Longitude 107 deg. 45' 25'' W. Elevation 940 m. 29.0 km north of Cadillac, Hwy. 4 N. Brown, sandy-loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, low salinity, moderate to well drained, tillage affected by stoniness. Cropland vegetation. Scattered population along both sides of road in roadside ditch, along edge of asphalt and edge of oat field, gradient from asphalt to edge of oat field. Uniform population, effective population size - several hundred plants. Typical *H. annuus*. Majority of plants past peak flowering, good seed set. No insect or disease damage.

PI 592313. *Helianthus annuus* L.

Wild. Ames 22176; ANN-2305. Collected 09/09/1994 in Saskatchewan, Canada. Latitude 50 deg. 20' 22'' N. Longitude 107 deg. 28' 15'' W. Elevation 840 m. 24.0 km east on Hwy. 1 and 4.8 km south on Hwy. 628. Brown, sandy-loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, low salinity, moderate to well